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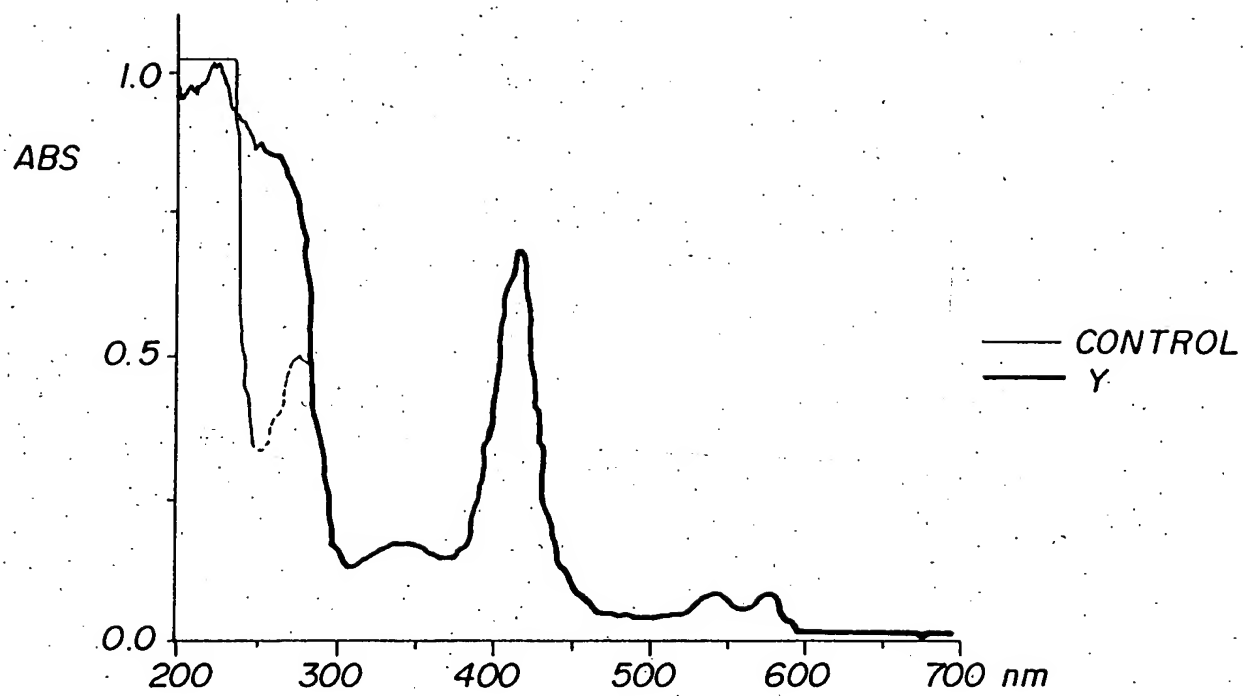


Fig. 1

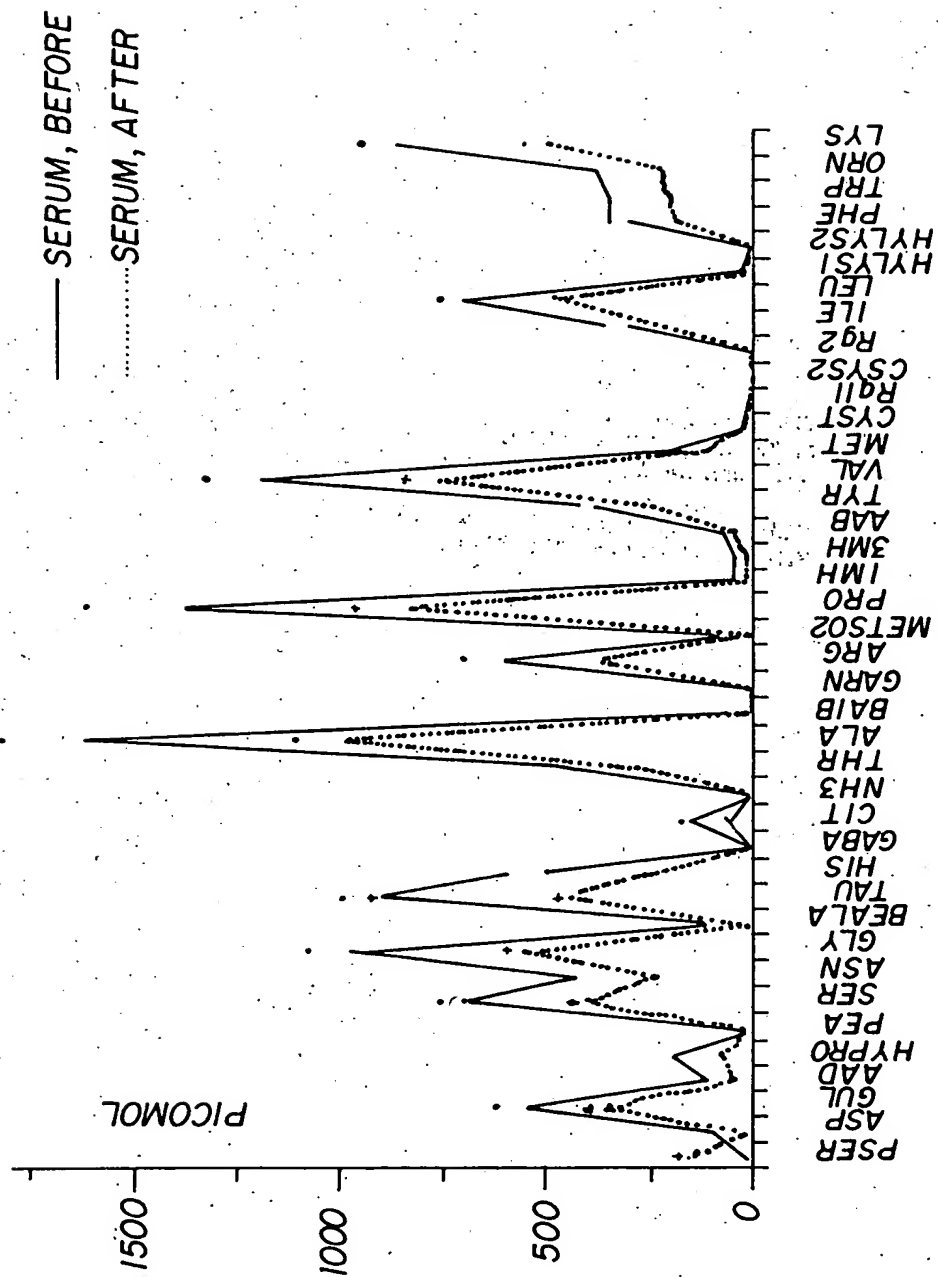


Fig. 2(a)

Fig. 2(b)

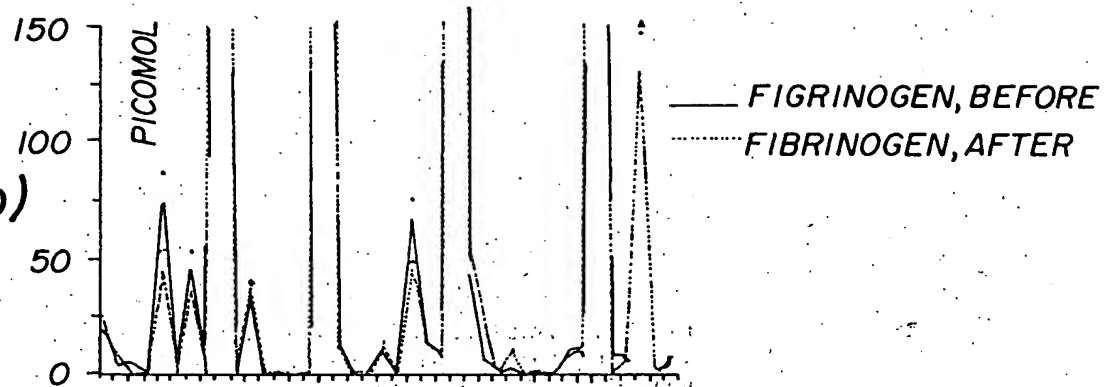


Fig. 2(c)

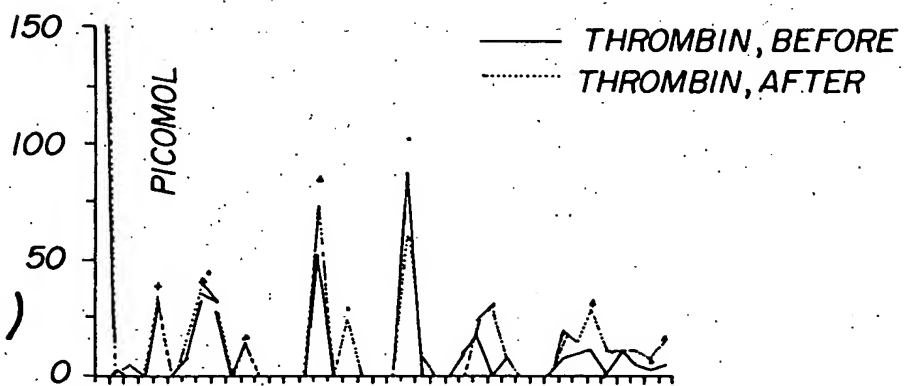


Fig. 3a

NON-TREATED

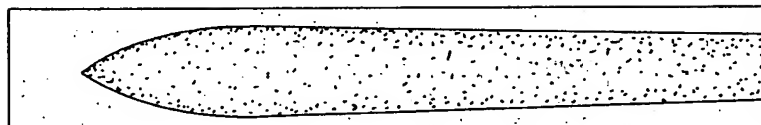
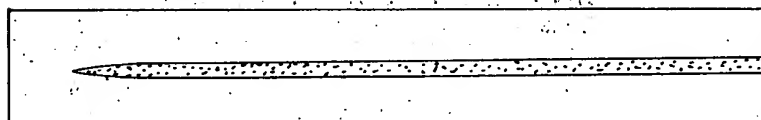


Fig. 3b

TREATED



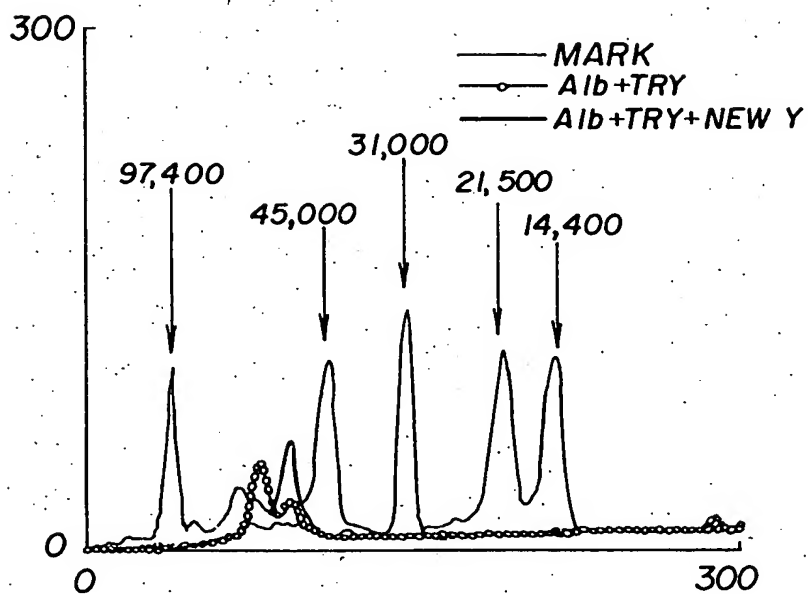
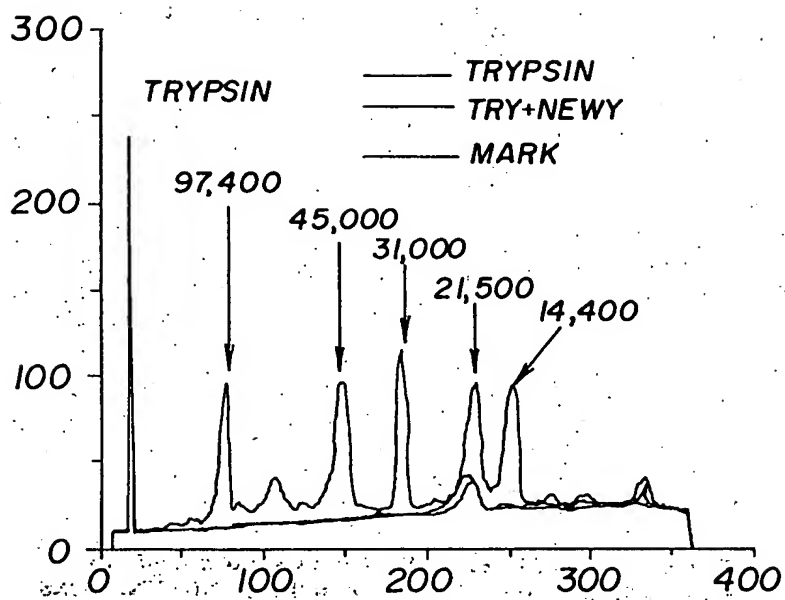


Fig. 4

BLOOD TYPE A



CONTROL



NEW Y



BLOOD TYPE B



CONTROL



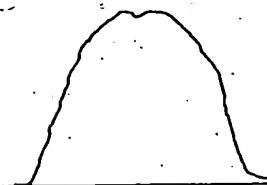
NEW Y



BLOOD TYPE O



CONTROL



NEW Y



Fig. 5

**PRESSOR EFFECT OF VASOPRESSIN (100ug/Kg)
BEFORE AND AFTER TREATMENT WITH YOSHIXOL**

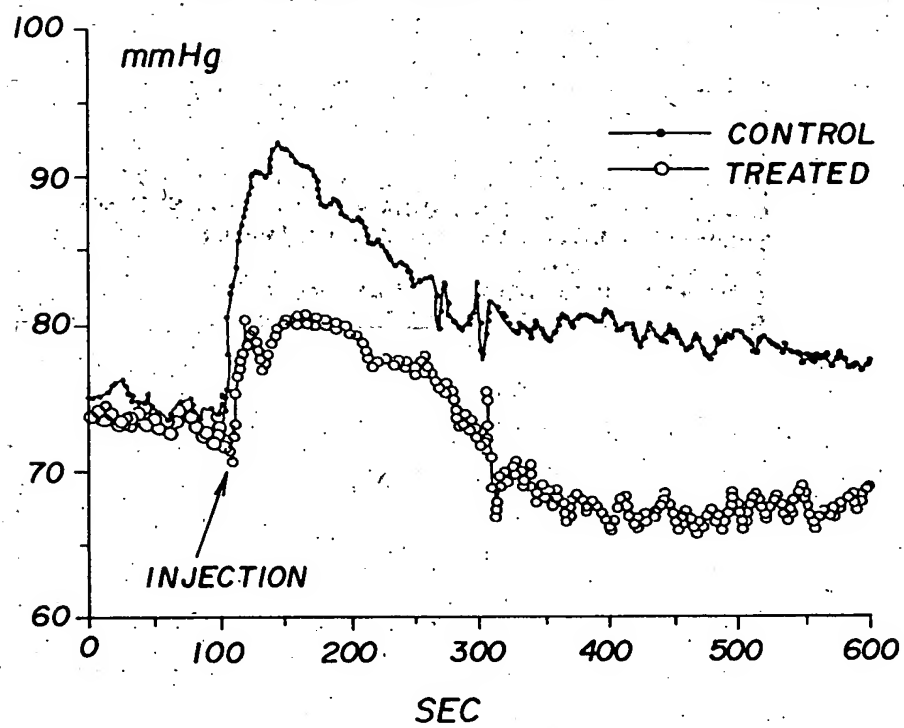


Fig. 6

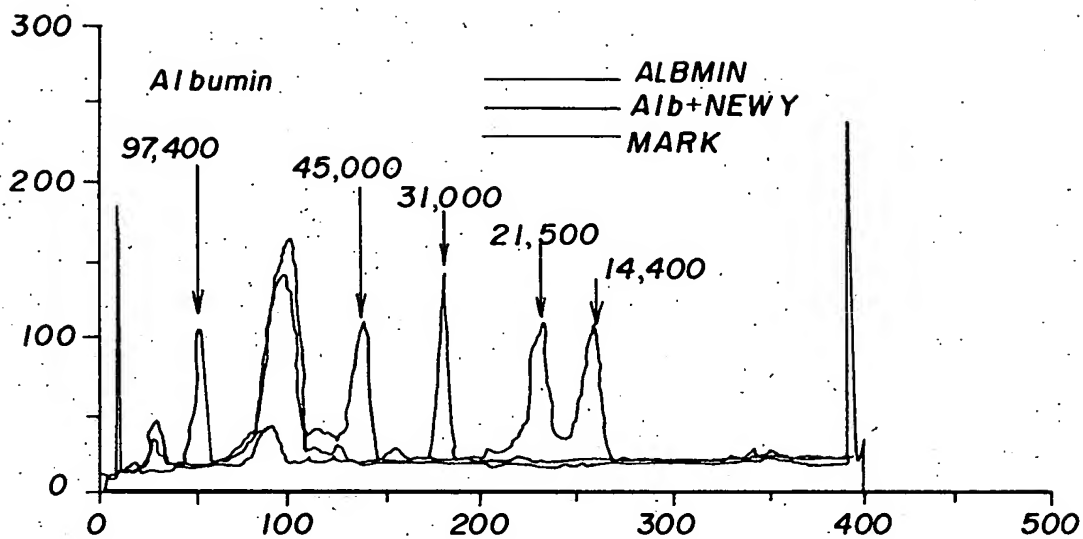


Fig. 7a

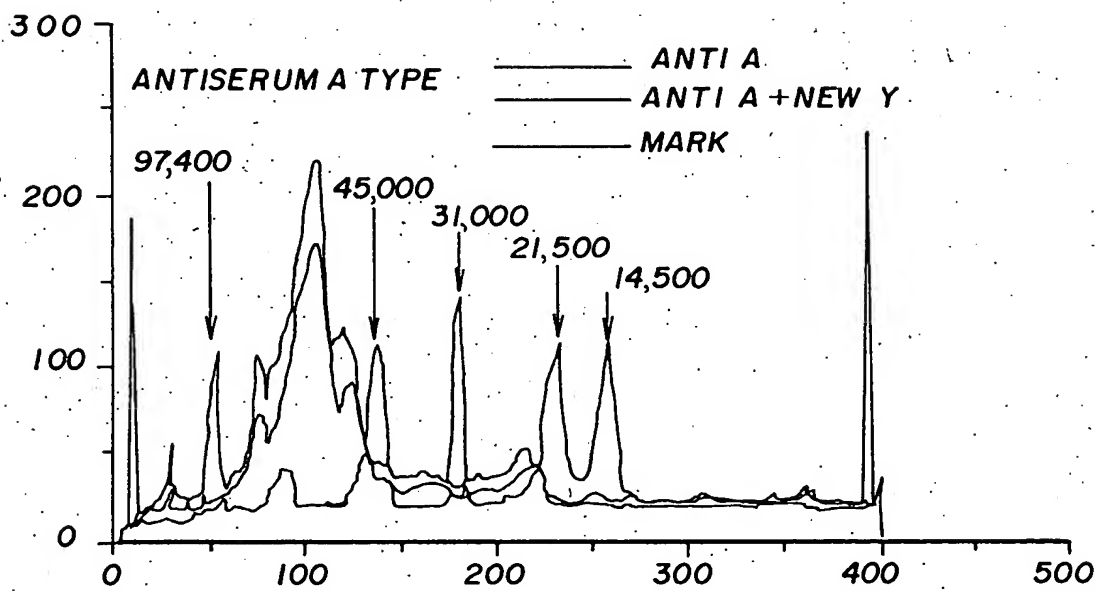


Fig. 7b

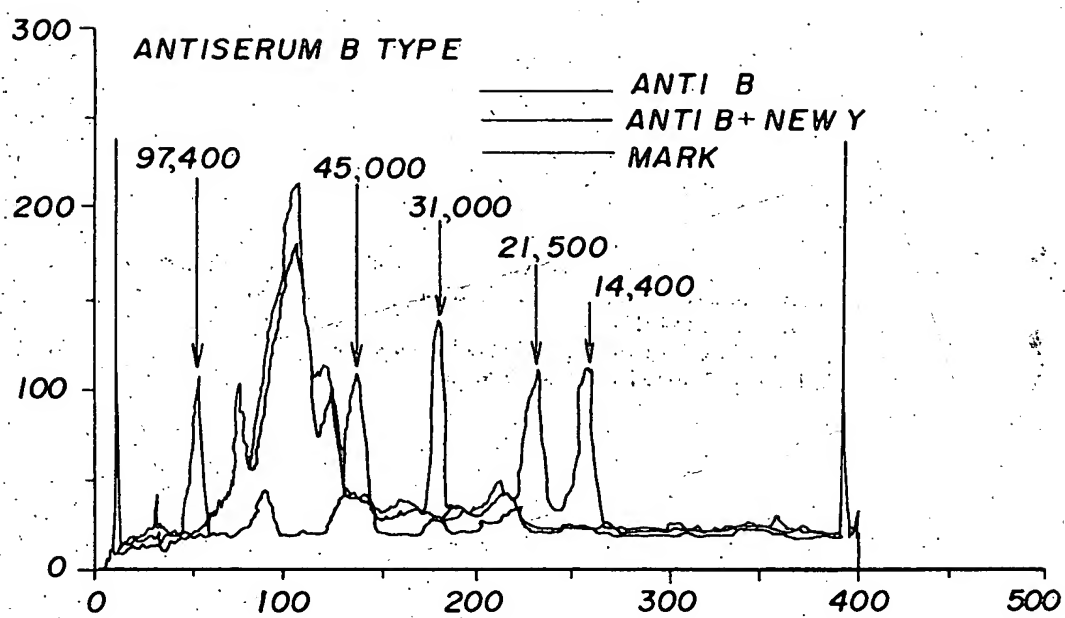


Fig. 7c

Fig. 8a

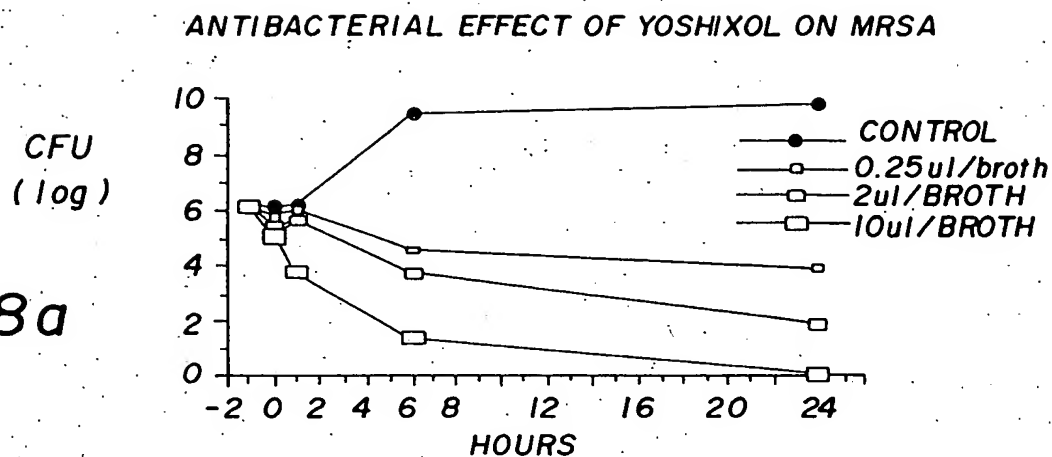


Fig. 8b

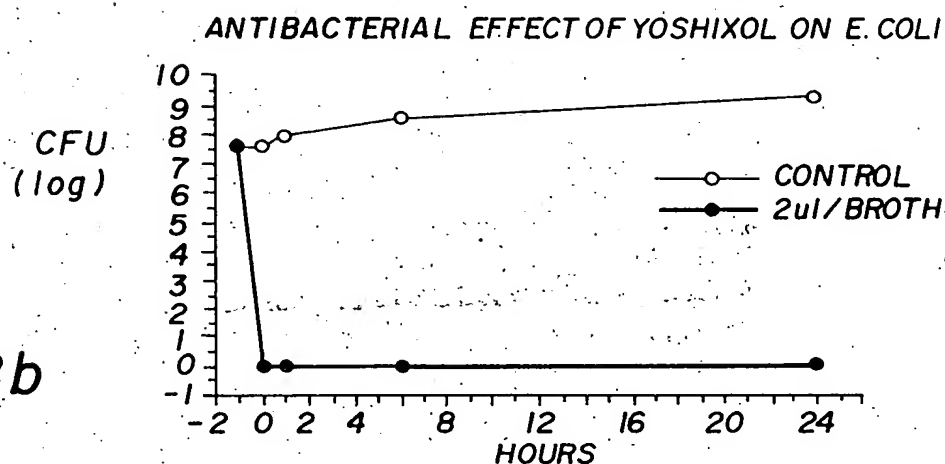


Fig. 8c

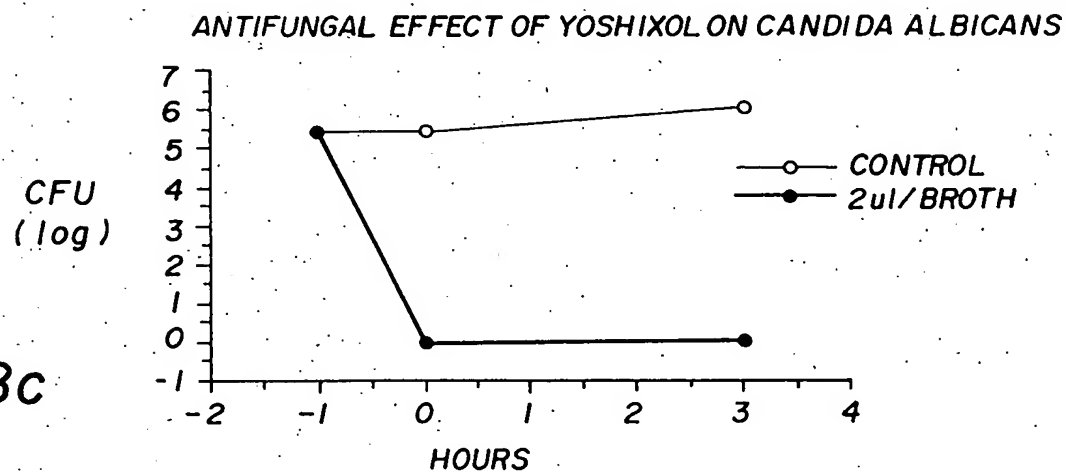




Fig. 9



Fig. 10

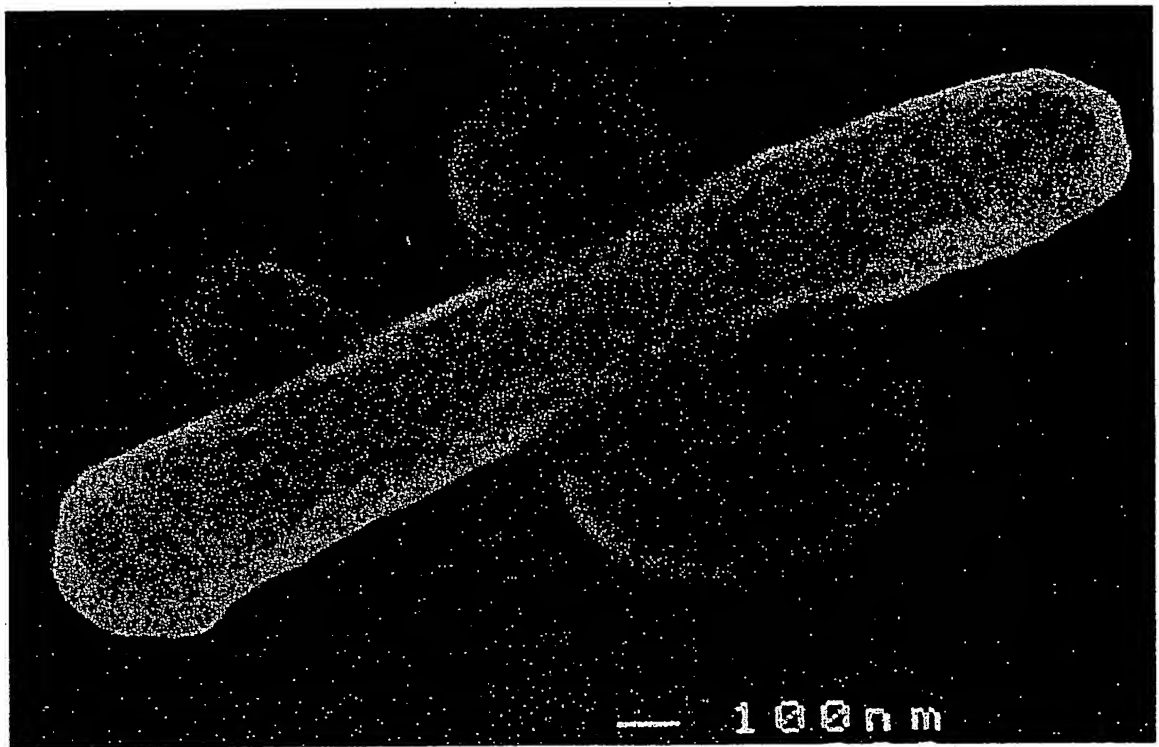


Fig. 11



Fig. 12

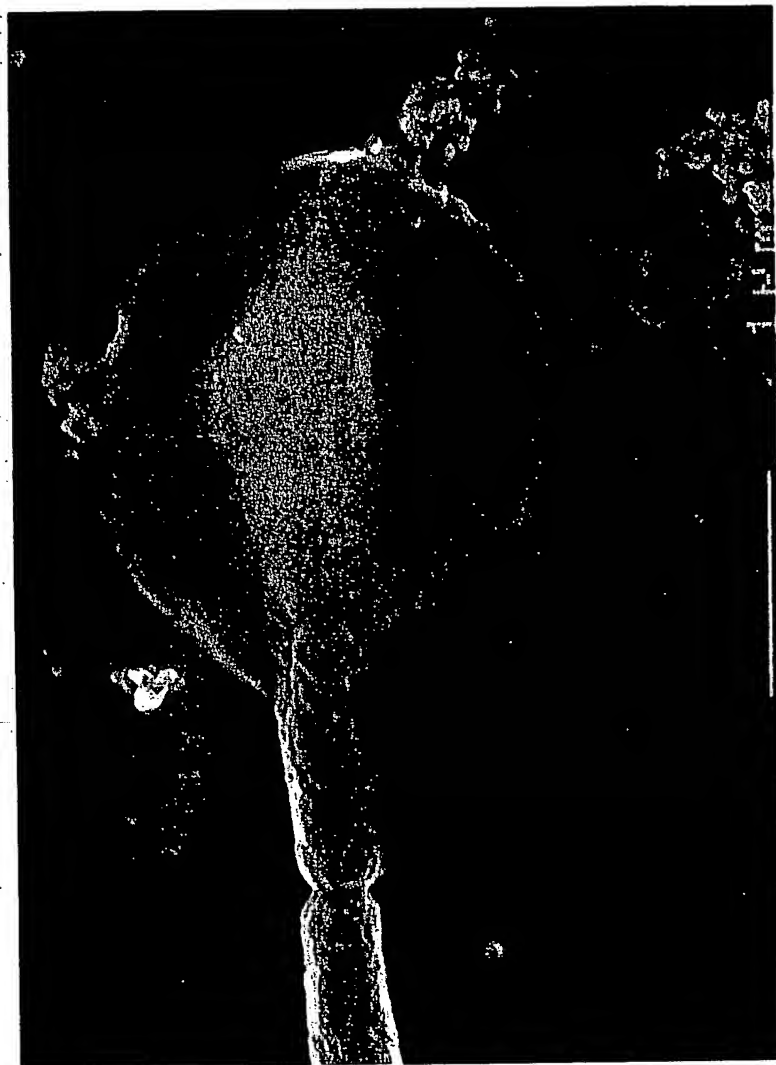


Fig. 13

Fig. 14

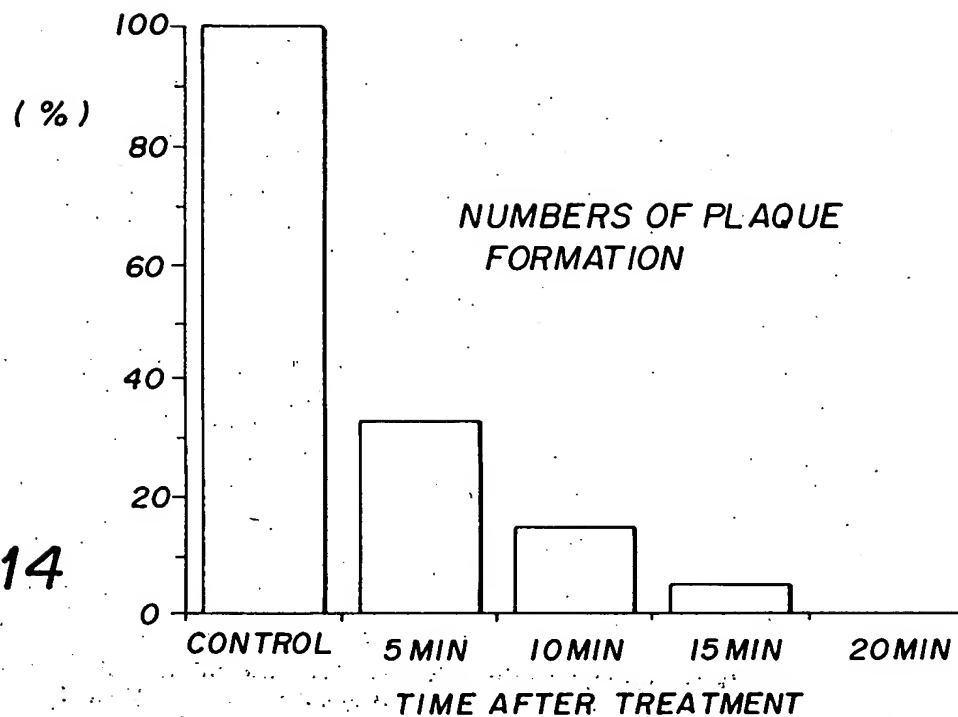


Fig. 15

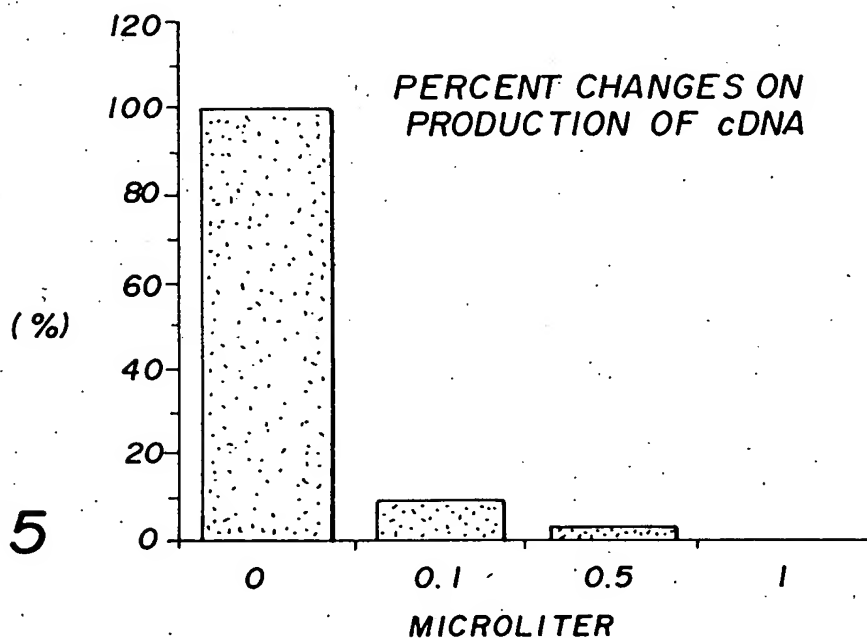
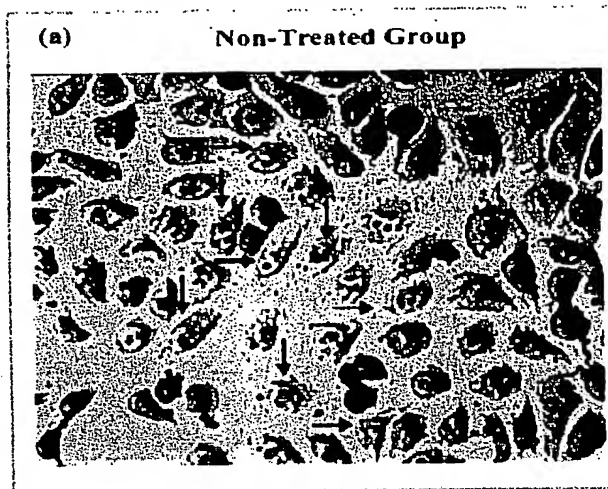


Fig. 16a



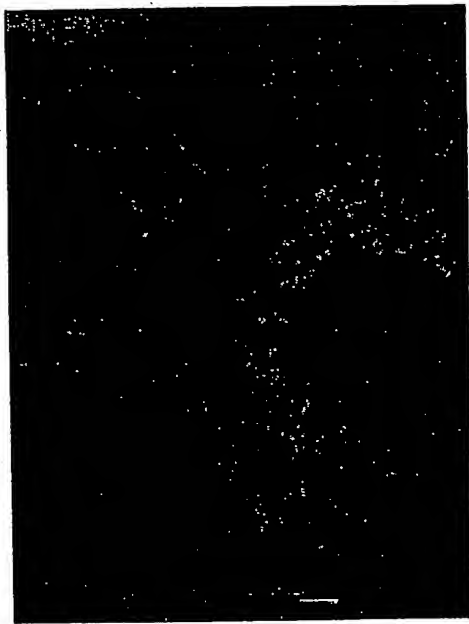
Phase contrast photomicrograph of non-treated group (x400 magnification).. Cultured Keratinocytes proliferate monologously and in order. There are no blank spaces between cells and intracellular spaces are filled with intracellular matrix. Many aspects of cell division as indicated by arrow (\rightarrow) are also shown.



Phase contrast photomicrograph of treated group (x400 magnification).. Cultured keratinocytes are irregularly arranged and intracellular matrix is not uniform. A number of cells which died (\rightarrow), denatured or are dying (\Rightarrow) are observed.

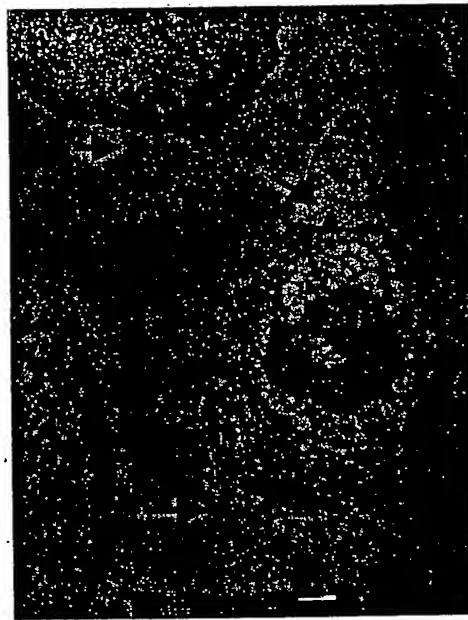
Fig. 16b

Fig. 17a



Transmission electron microphotograph of cultured keratinocytes in non-treated group (x3000 magnification). Cells are adhered with extracellular matrix, via intracellular organella, and cell membranes.

Fig. 17b



Transmission electron microphotograph of cultured keratinocytes in treated group (x3000 magnification). Destroying of intracellular organella (☆), destroying of cell membranes (→) are observed and adhesion between cells disappeared.

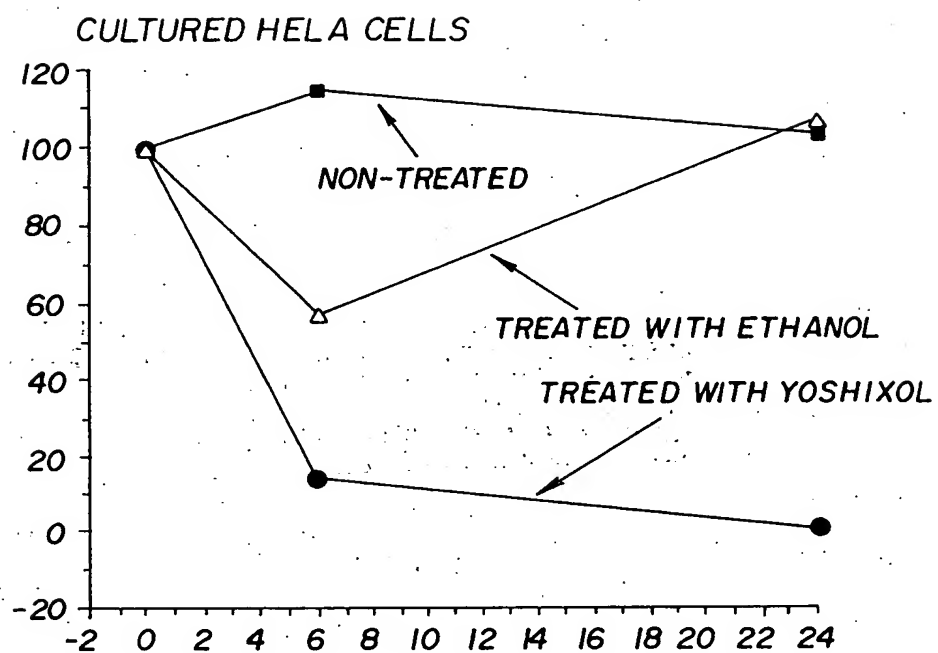


Fig.18

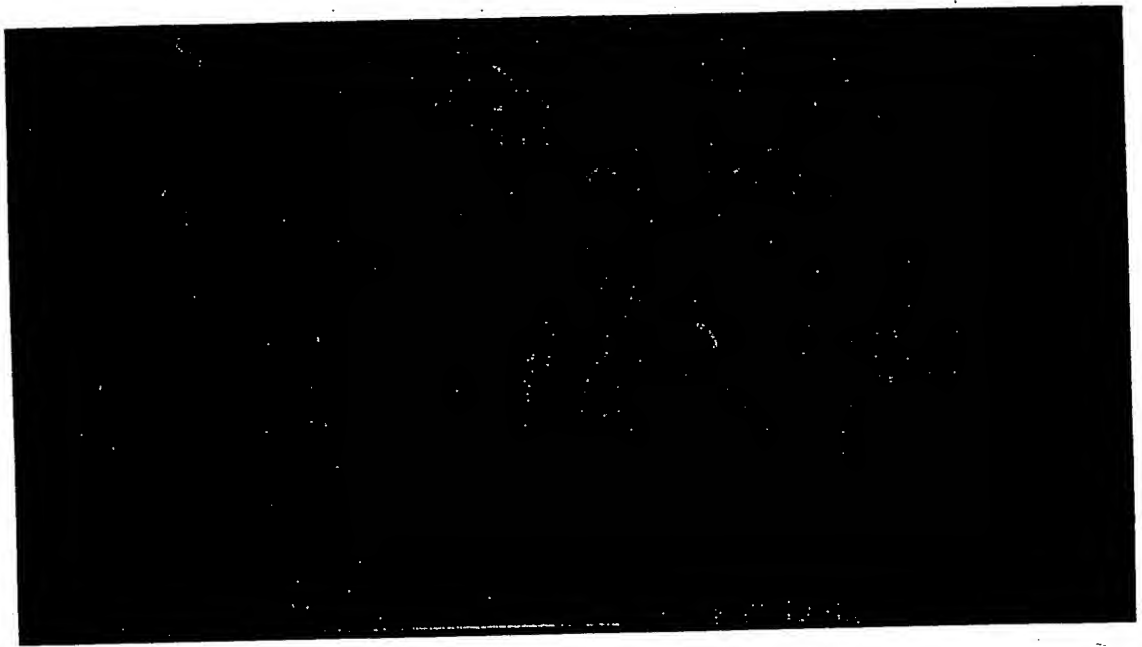
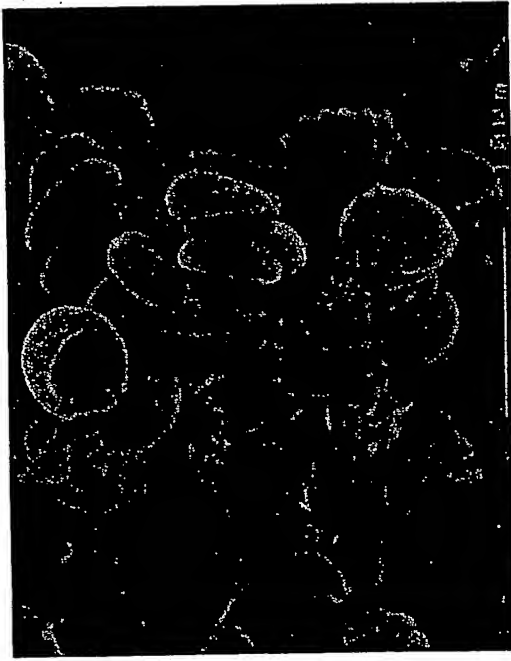


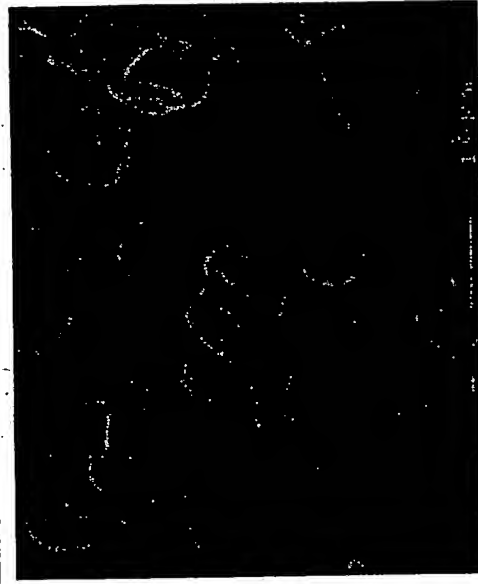
Fig. 19

Fig. 20a



Electron scanning microphotograph of erythrocytes (x5000 magnification) in non-treated group. Surfaces of erythrocytes are covered with fibrin network like a web (\Rightarrow) and coagulation and/or aggregation of erythrocytes is severe. Further, erythrocytes being destroyed by rounding formation are observed.

Fig. 20b



Electron scanning microphotograph of erythrocytes (x5000 magnification) in treated group. Fibrin networks covering the surfaces of erythrocytes and coagulation and/or aggregation of erythrocytes are not observed. Erythrocytes being destroyed are also observed.

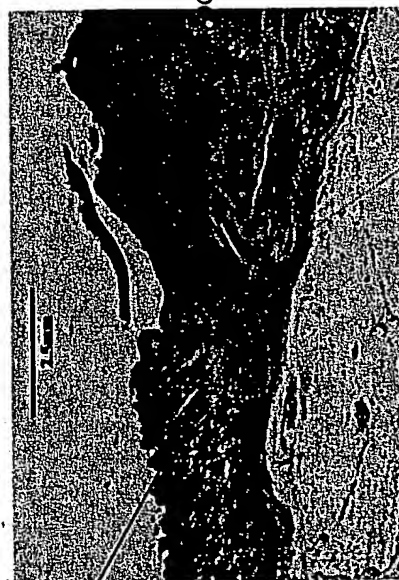
Fig. 21

portion of dog



Skin-transplanted portion of rabbit as donor skin (dog) was directly treated with Yoshixol.

portion of rabbit



portion of dog

transition portion

Skin-transplanted portion of dog as donor skin (rabbit) was transplanted to which dog was given Yoshixol intravenously after transplantation.

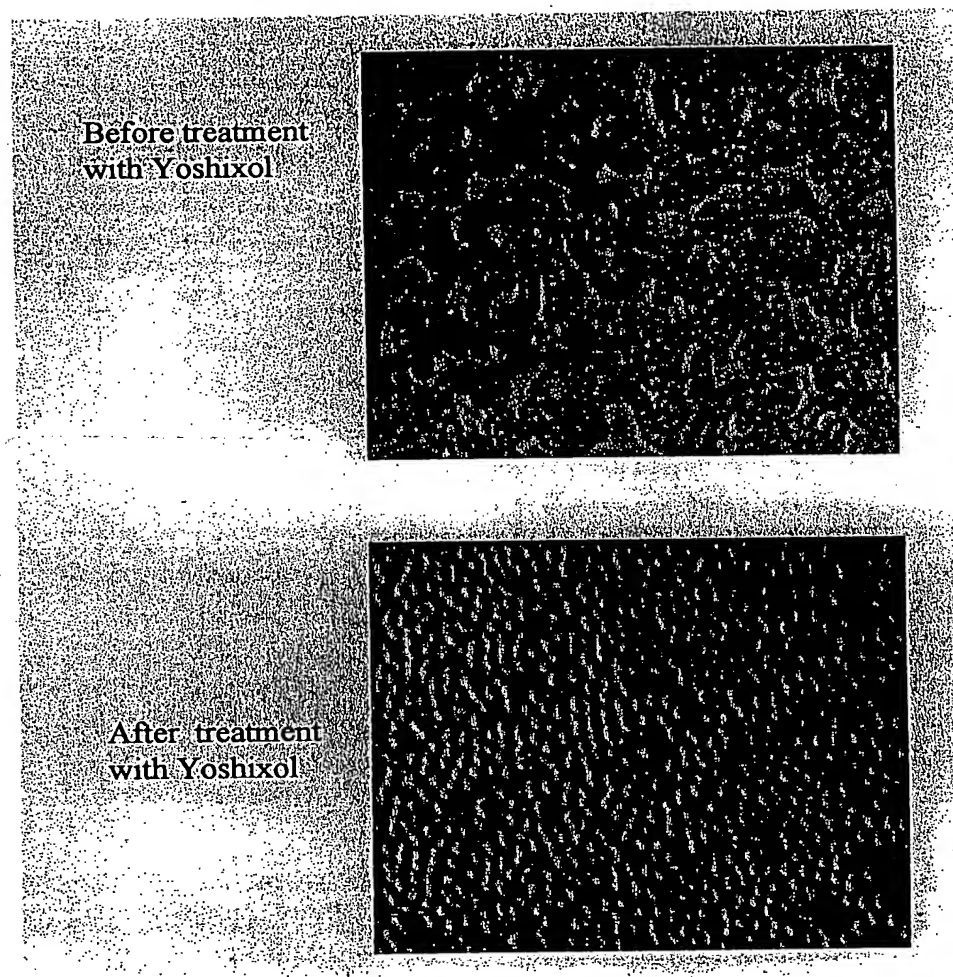


Fig. 22

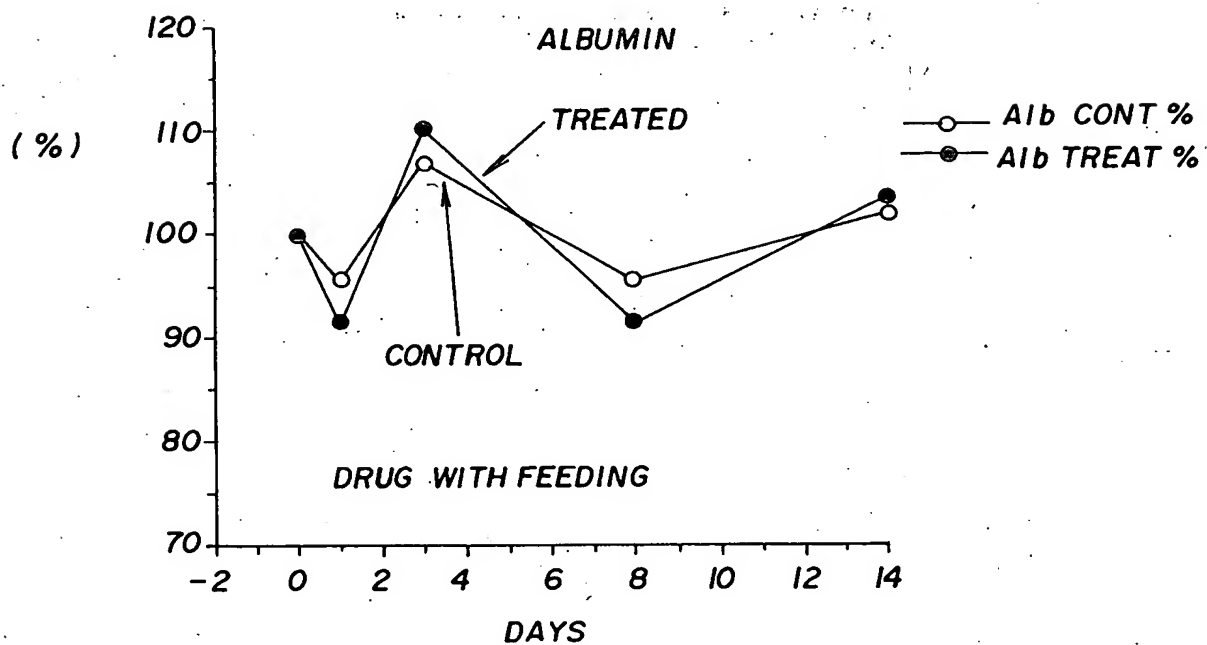
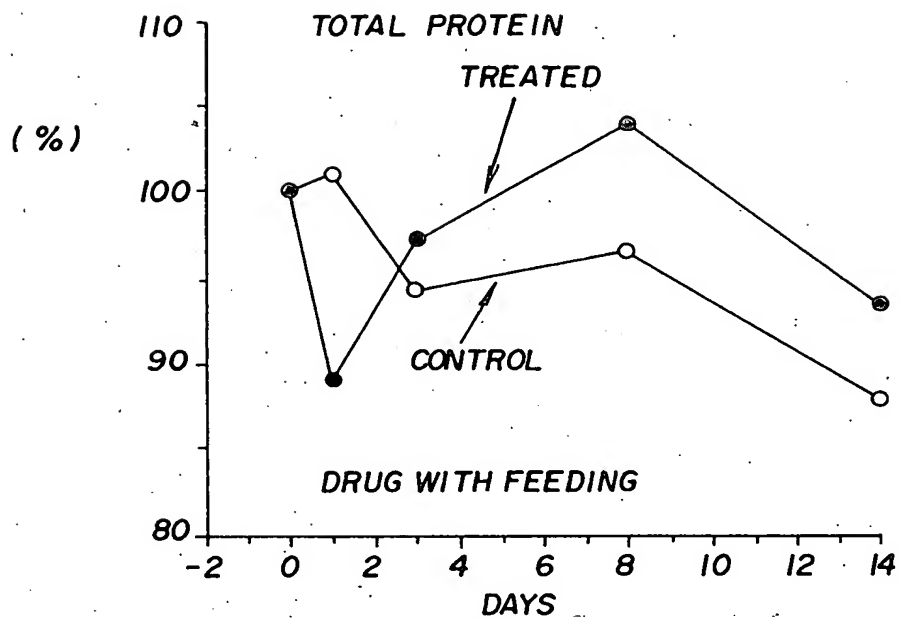


Fig. 23

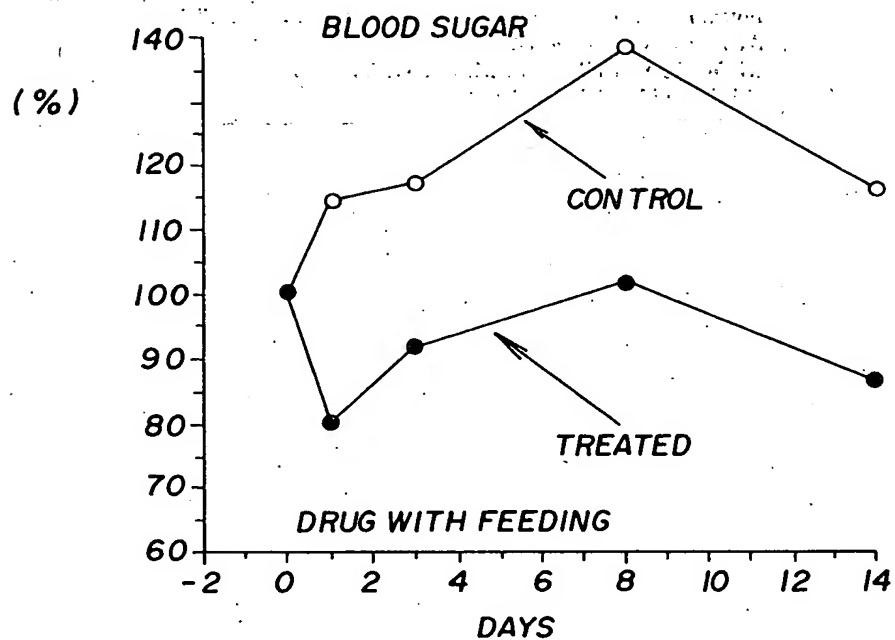
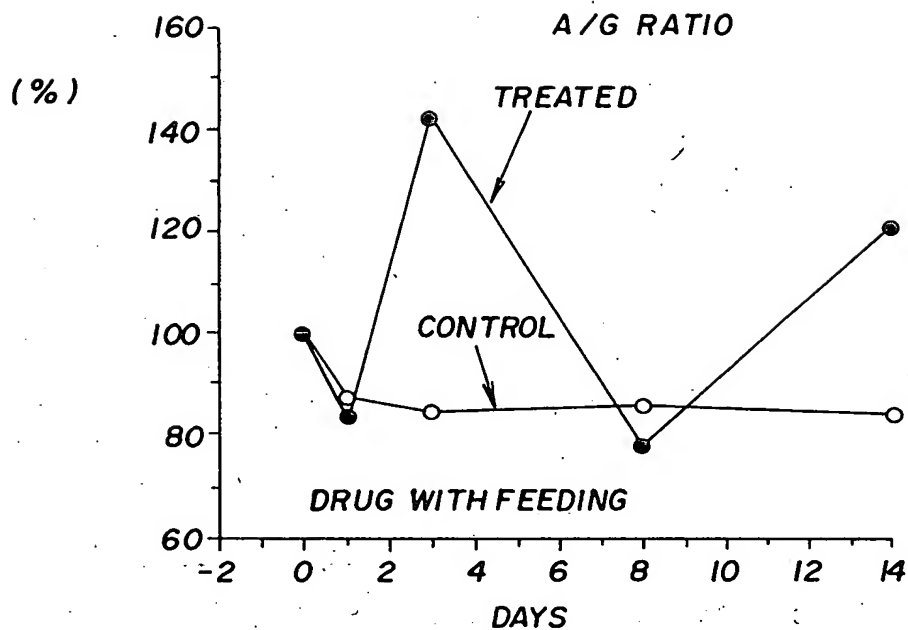


Fig. 24

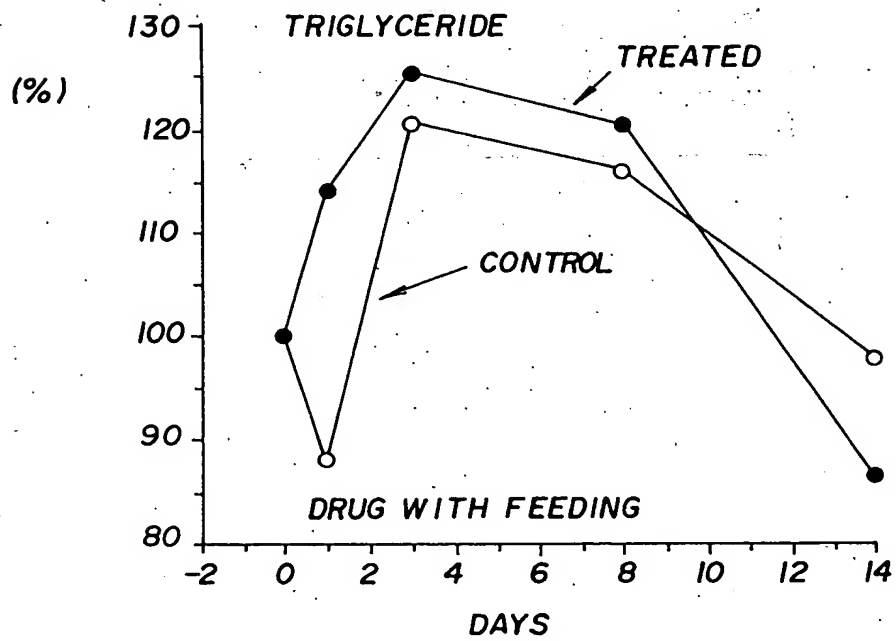
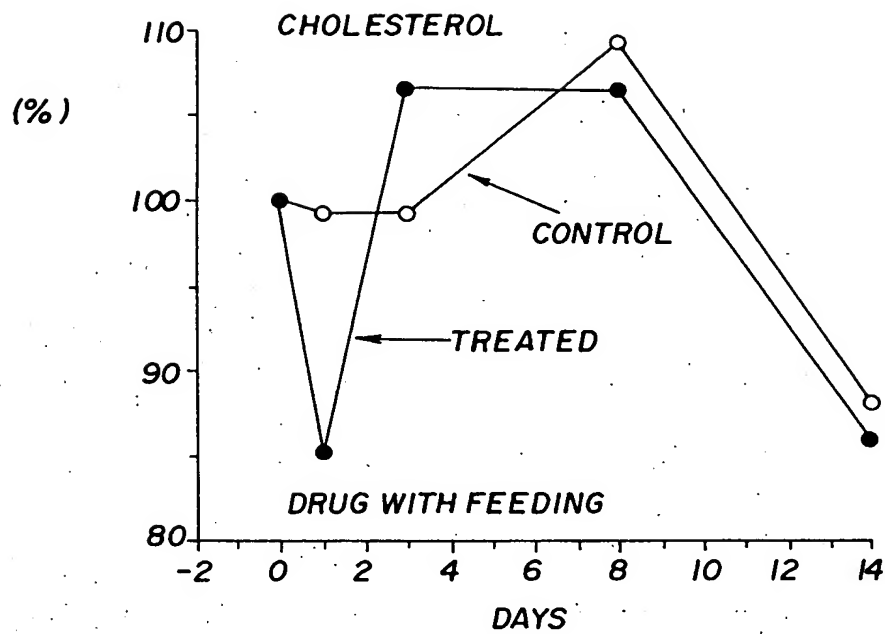


Fig. 25

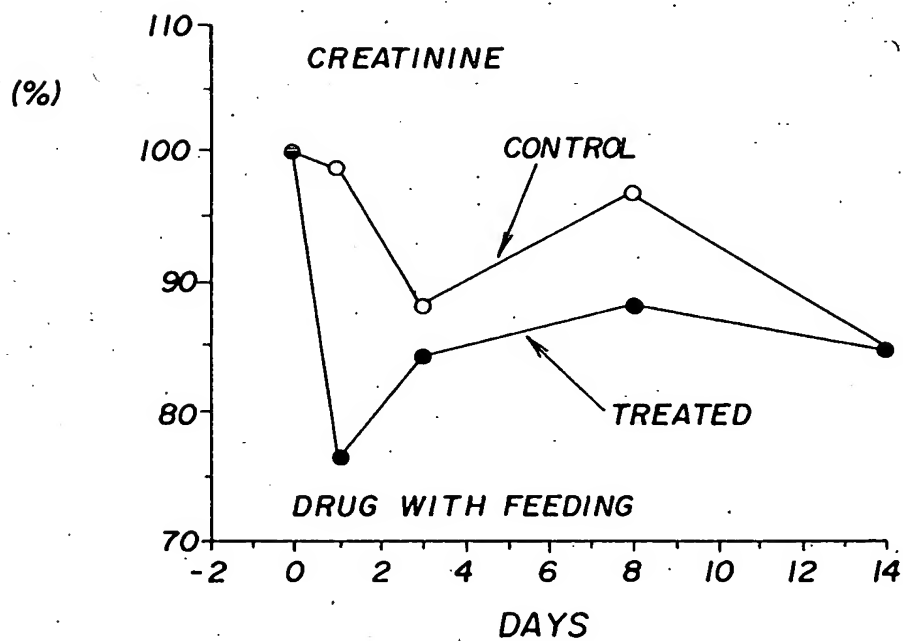
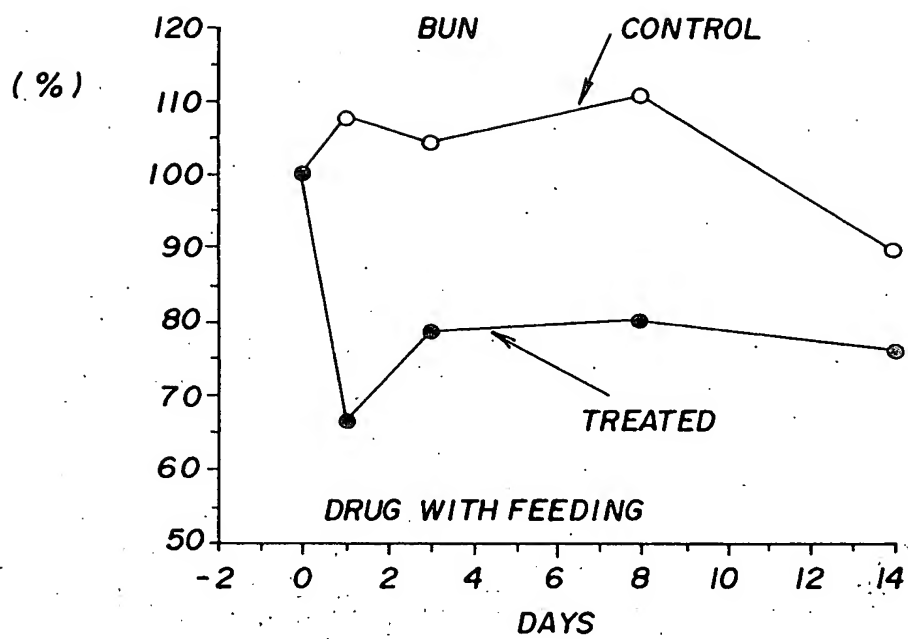


Fig. 26

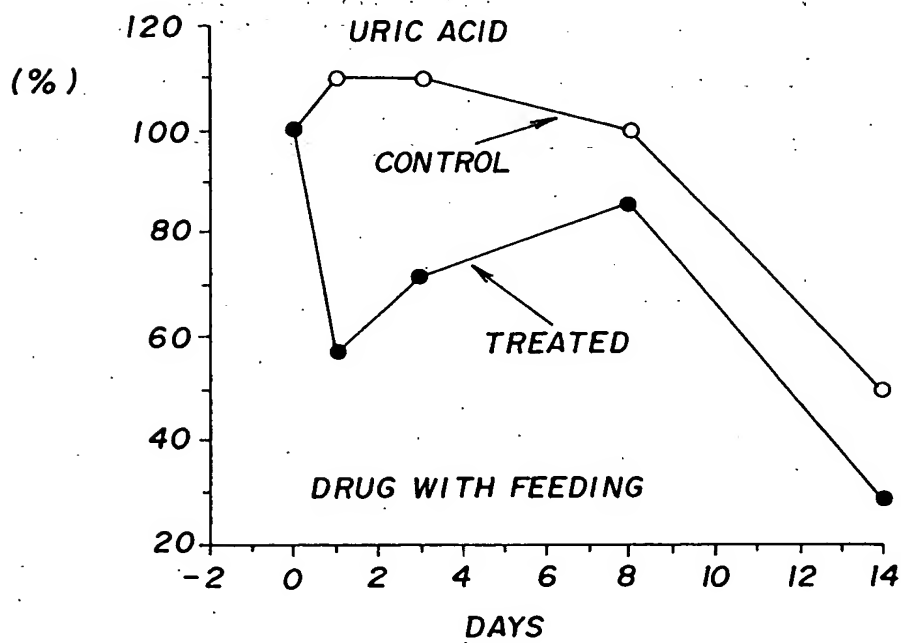
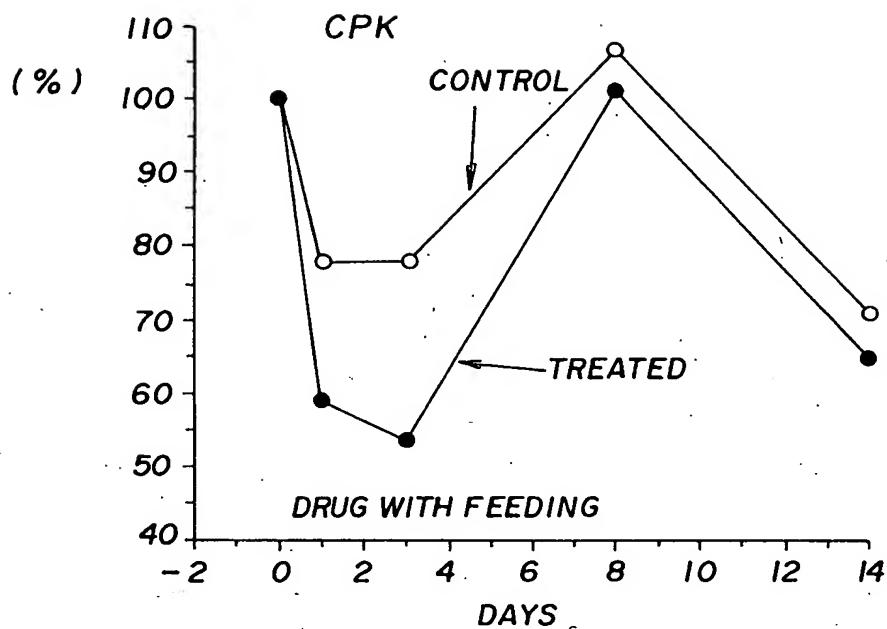
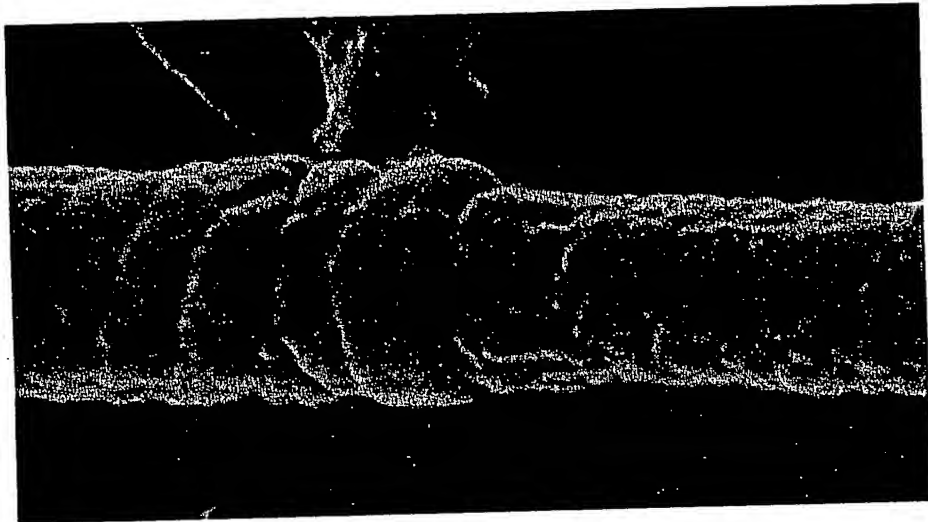


Fig. 27

Control



Treated

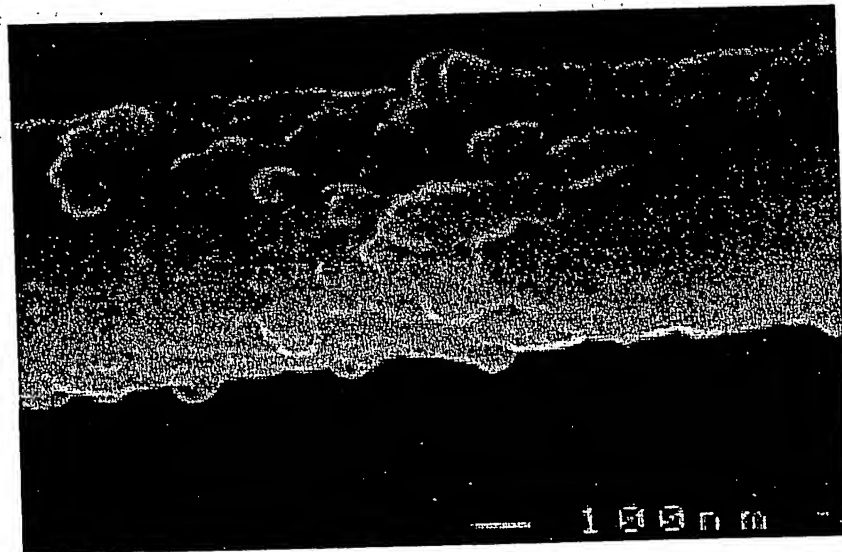
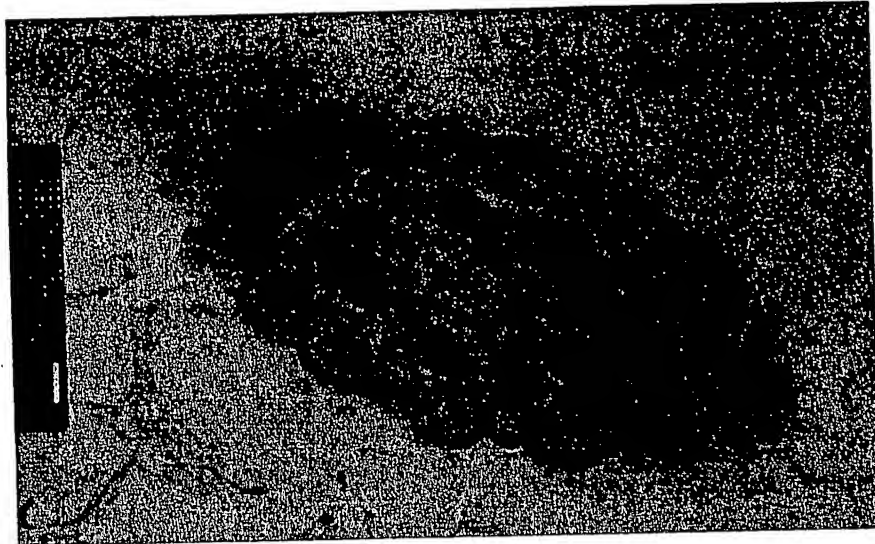


Fig. 28

Non-Treated



Treated

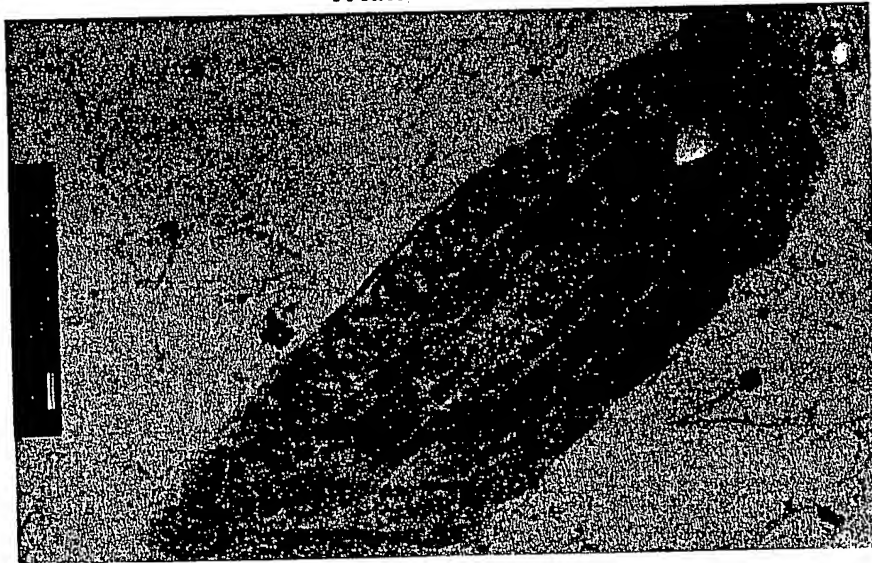


Fig. 29

SOLID LINE INDICATES NON-TREATED PALMITIC ACID.
DOTTED LINE INDICATES PALMITIC ACID TO WHICH
YOSHIXOL WAS ADDED.

DSC
mW/mg

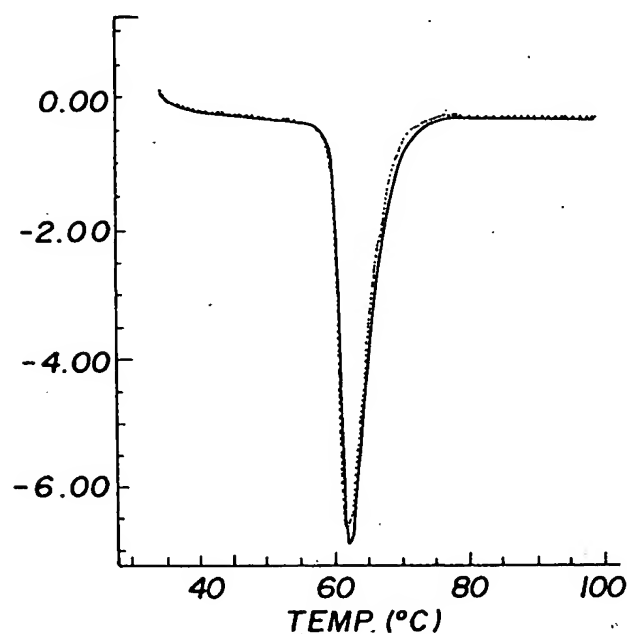


Fig. 30

SOLID LINE INDICATES NON-TREATED POLYETHYLENE
GLYCOL 1,000. DOTTED LINE INDICATES POLYETHYLENE
GLYCOL 1,000 TO WHICH YOSHIXOL WAS ADDED.

DSC
mW/mg

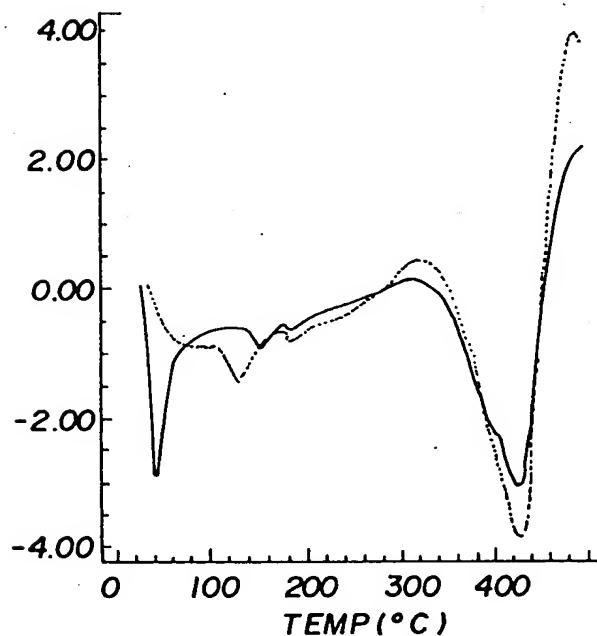


Fig. 31

SOLID LINE INDICATES NON-TREATED POLYSTYRENE
28,000 . DOTTED LINE INDICATES POLYSTYRENE
28,000 TO WHICH YOSHIXOL WAS ADDED.

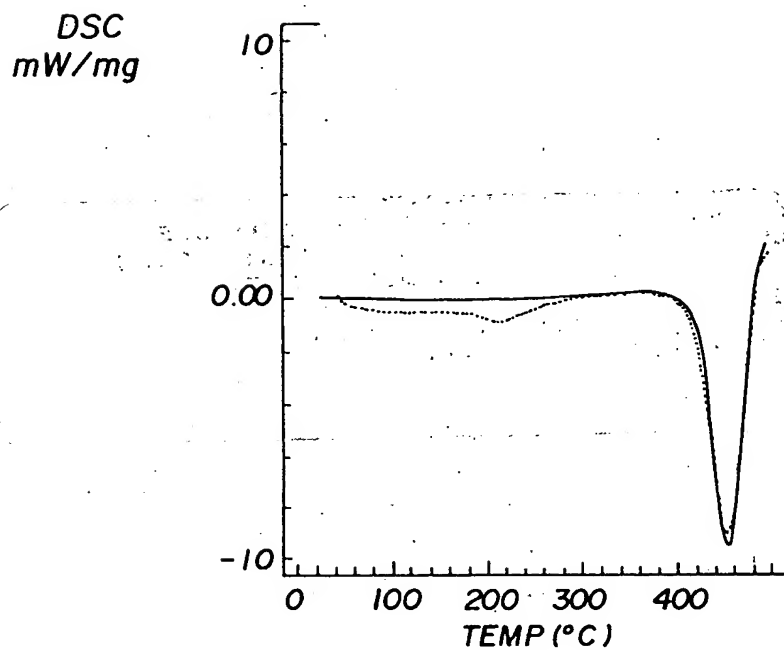
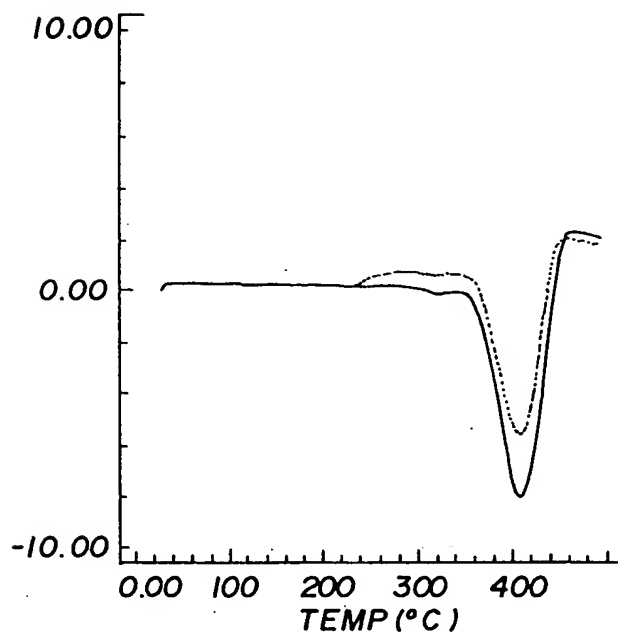


Fig. 32

DSC
mW/mg

SOLID LINE INDICATES NON-TREATED METHYL METHACRYLATE.
DOTTED LINE INDICATES METHYL METHACRYLATE TO WHICH
YOSHIXOL WAS ADDED.



DSC
mW/mg

SOLID LINE INDICATES NON-TREATED ETHYL METHACRYLATE.
DOTTED LINE INDICATES ETHYL METHACRYLATE TO WHICH
YOSHIXOL WAS ADDED.

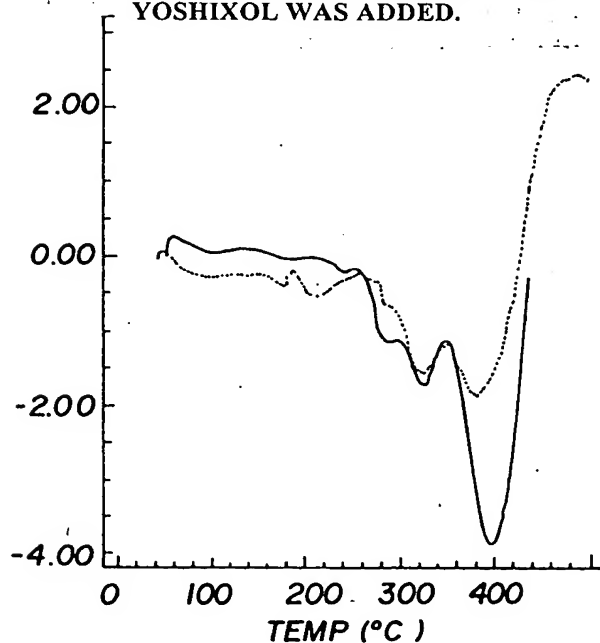


Fig.33

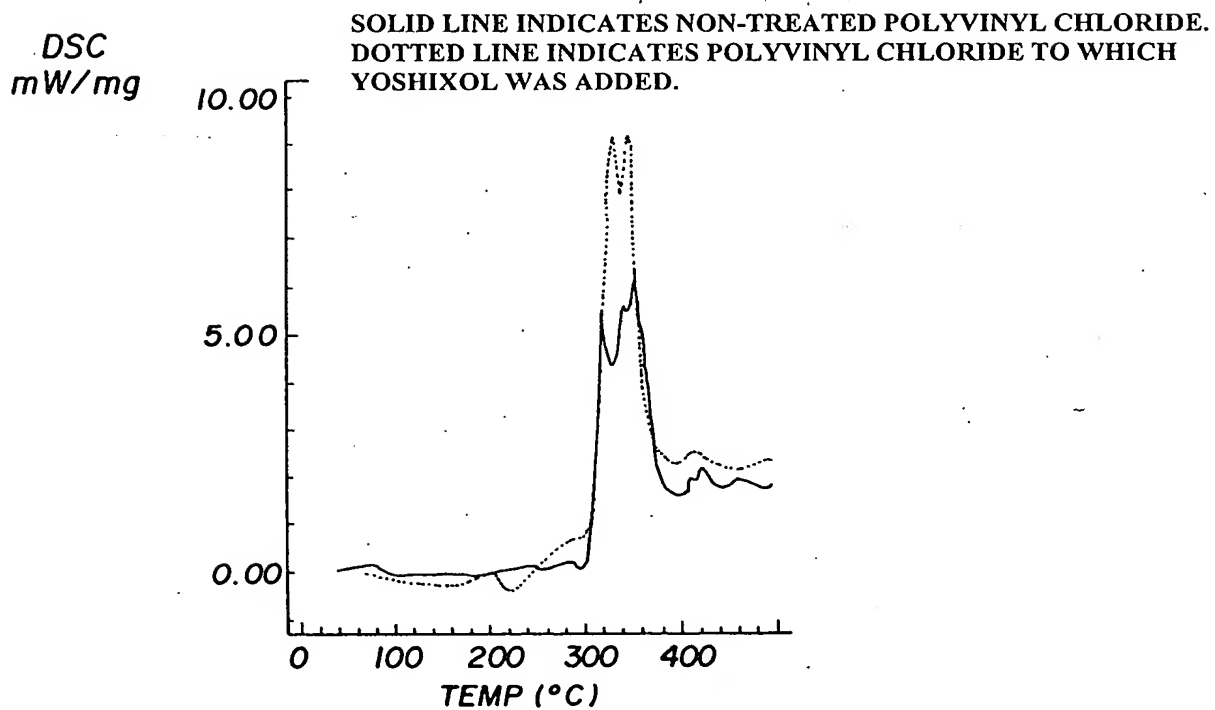
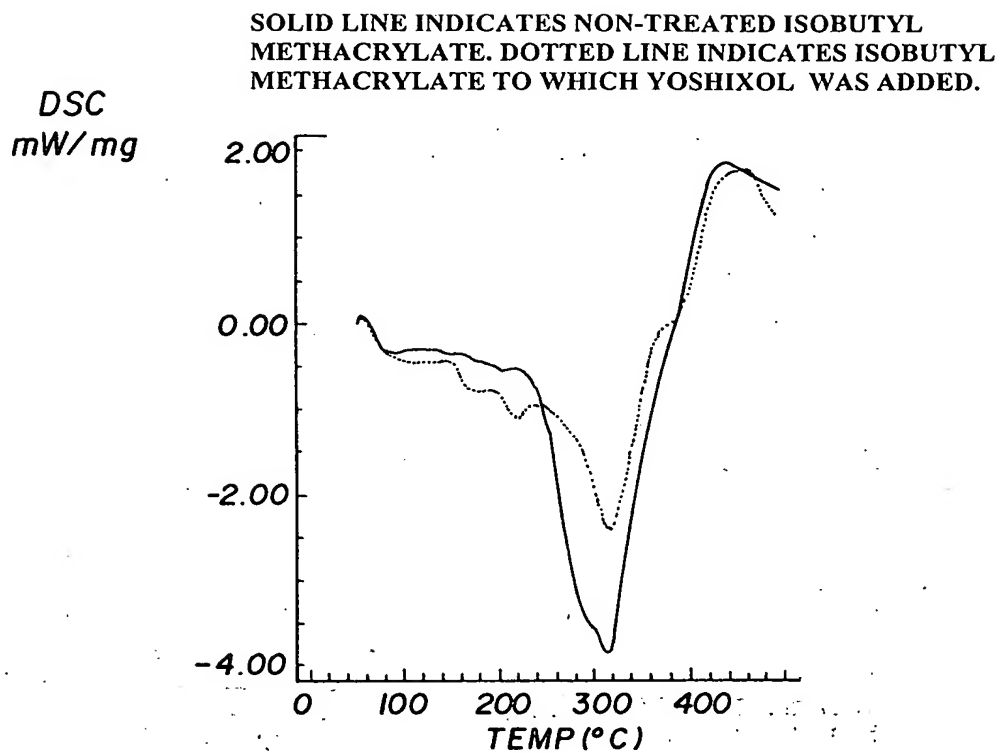
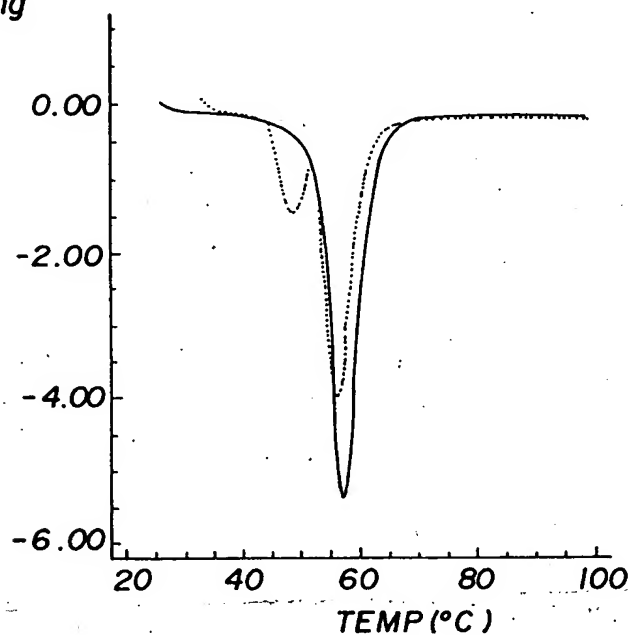


Fig. 34

SOLID LINE INDICATES NON-TREATED POLYETHYLENE GLYCOL 4000. DOTTED LINE INDICATES POLYETHYLENE GLYCOL 4000 TO WHICH YOSHIXOL WAS ADDED.

DSC
mW/mg



DSC
mW/mg

SOLID LINE INDICATES NON-TREATED POLYMETHYL ACRYLATE. DOTTED LINE INDICATES POLYMETHYL ACRYLATE TO WHICH YOSHIXOL WAS ADDED.

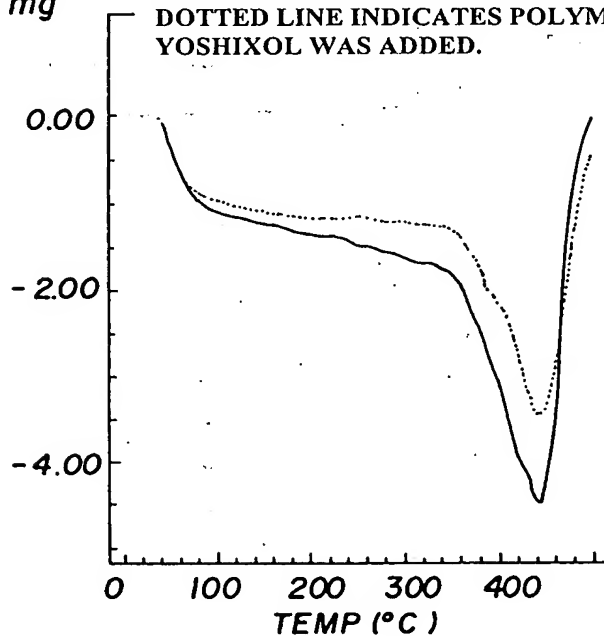


Fig. 35

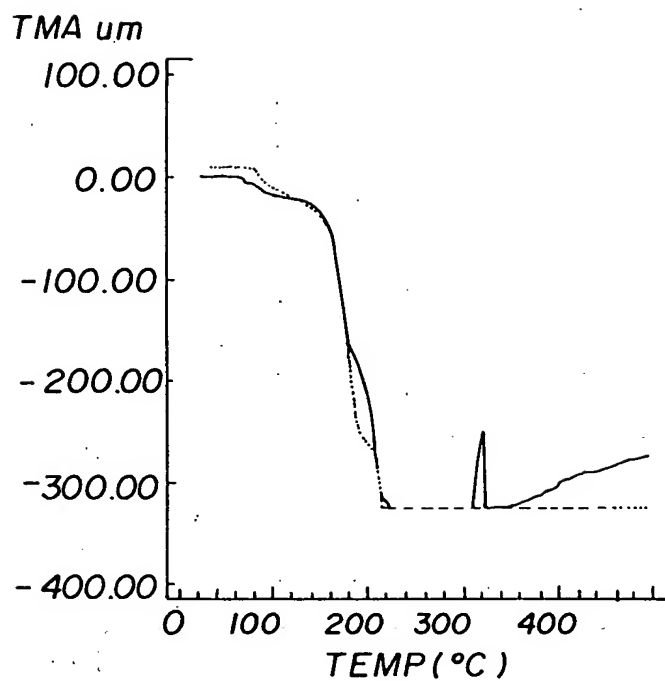


Fig. 36

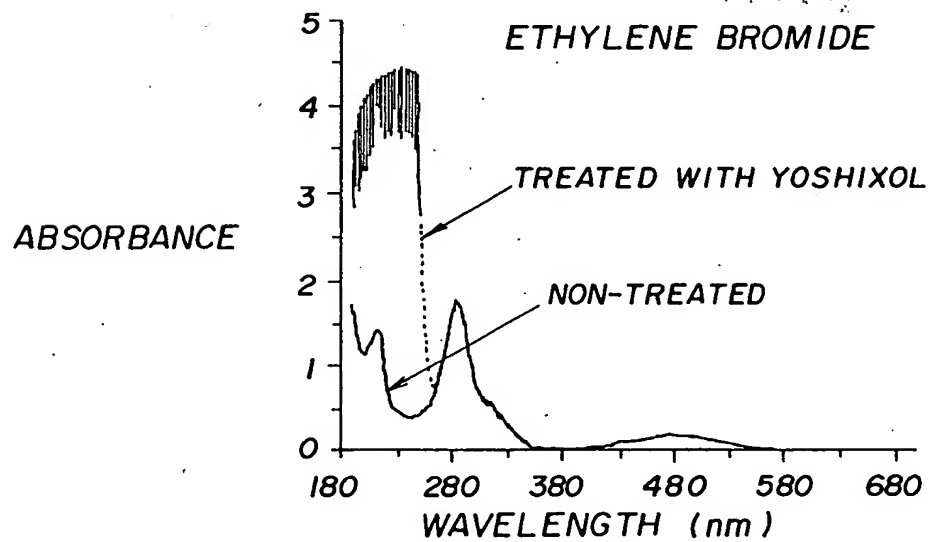


Fig. 39

Synthesis #1



control treated

Synthesis #2



control treated

Fig. 37

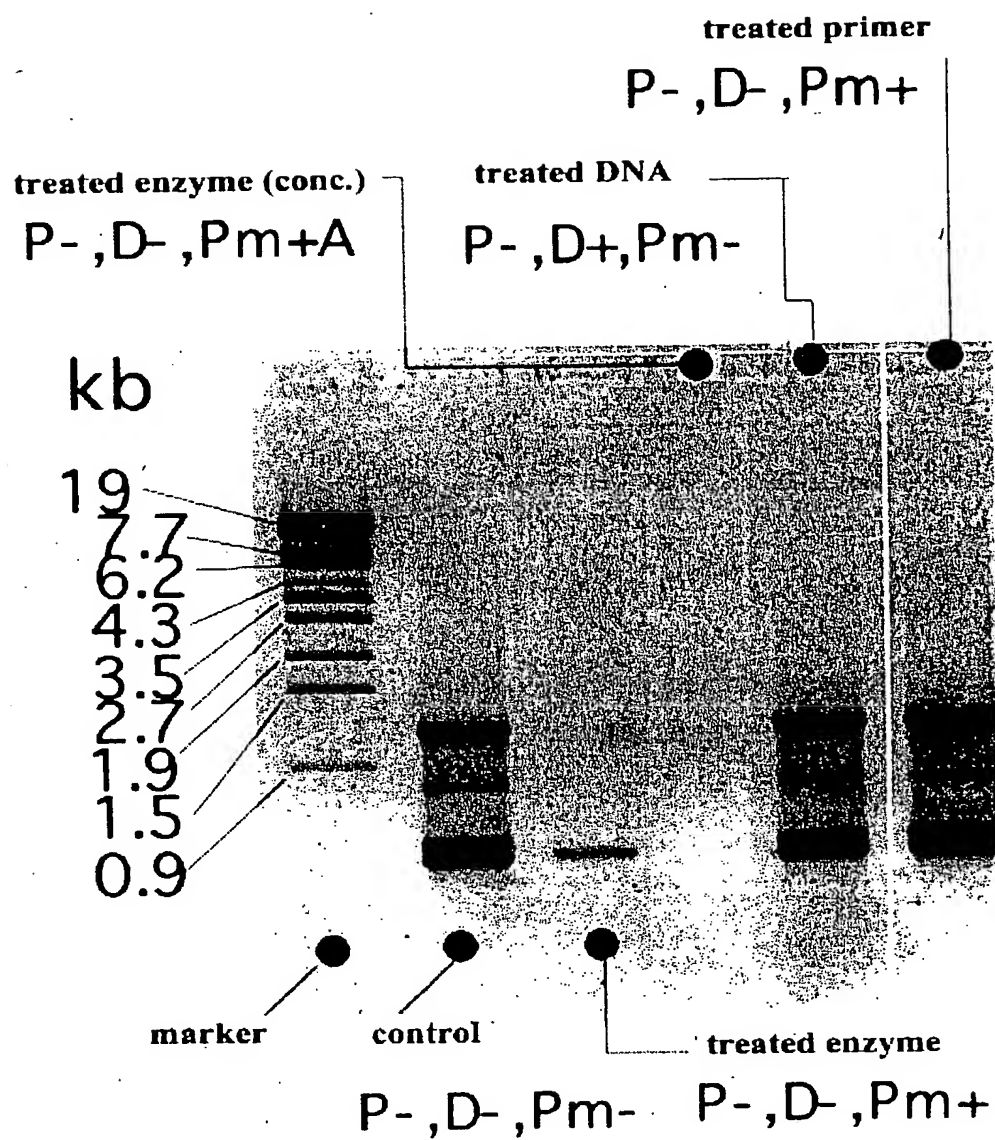


Fig. 38